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31 March 1961

MEMORANDUM FOR THE RECORD

SUBJECT: Meeting at H Street Regarding Research and Development Items
Marginal to H Street and NPIC Interests

1. Mr. Lundahl met with Mr. Eugene Kiefer and Mr. John Parangosky at H Street on Wednesday, 29 March to discuss R&D items which might fall between the stools of our own two separate disciplines. I suggested that we limit our discussions initially to the subject of multiband sensory reconnaissance or so called spectral zonal photography. I pointed out to Mr. Kiefer and Mr. Parangosky that we were developing systems now of increasingly greater resolution, which coming to fruition in the near future, would eventually result in a complete physical description of the physical world. However, if we were to seek to push our interpretations to a more complete technical intelligence understanding of the ground conditions and determine something about their chemical nature or composition, something like spectral zonal photography was very much in order. As a means of getting at this problem, I suggested that it might be in order to consider a feasibility contract with an organization like [REDACTED]

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The purpose of this kind of feasibility study would be to seek to identify those windows in the electromagnetic spectrum where important items of intelligence correlation photography-wise could be achieved and to engage in limited experimentation with [REDACTED] using the [REDACTED] aircraft and cameras and filter and film systems to come up with visual aids and samples to go in the feasibility report which would tell us whether the two-band system or five-band system or a bee's eye type approacher or what the exact nature of the multiband should be. Following that, this feasibility study might then be in a position to engage someone such as Rod Scott to consider the nature of the physical package, the camera system if you will, whether it be a bee's eye or a rotating prism splitter that could give us the multiband examination of the ground. Mr. Kiefer and Mr. Parangosky liked this idea and suggested that we engage in some discussions amongst ourselves first particularly to find out what TSD has already spent in spectral zonal photography before we engage [REDACTED] in a discussion. To this end Mr. Lundahl aims to have Colonel Gillers and Mr. Kiefer to PIC on Tuesday, 4 April at 10:00 a.m. to review TSD's progress to date. On the following week Mr. Kiefer will bring [REDACTED] over and the whole system will be reviewed at least in the form of a suggested feasibility study

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to ascertain his interest, his willingness to work with [] and suggested other resources [] which could be brought through the medium of this contract to bear upon the subject at hand.

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2. Mr. Kiefer sought to engage Lundahl in discussions about picking up the film bill for the photographic reproductions at Rochester. He indicated that although Mr. Bissell wasn't pushing on this subject that he thought that we had gone to such size now that we might legitimately consider this as part of our forthcoming budget. I indicated that this indeed was worthy of consideration, that [] and I had briefed Mr. Amory on the centralization of the R&D Budgeting Fund here at NPIC, and if this was an idea desired by Mr. Bissell he might well engage Mr. Amory, and if the two concurred we should know about it as we sit down to prepare our 63 budget estimates, particularly using the film bills and expenditures that have been achieved to date by H Street with Eastman Kodak. I also agree with Kiefer that the lines of communication to Rochester and Ed Green's shop should continue to rest over there at H Street because they have other items of research going on such as new films and the like but that we would seek to explore the means whereby we got the money centrally and piped it over to them to support this particular expenditure. A few hours later Mr. Amory was at PIC for his regular Wednesday visit and I apprised him of this particular position and he is prepared to talk about it with Mr. Bissell when the latter chooses to pick it up.

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3. The subject of [] was next engaged, and I described to Mr. Kiefer that [] felt that when sub-system I had been dissolved that [] was pretty much on the outside of the new systems which are oncoming. Therefore, to earn good will and to get back in by whatever means possible [] had largely dedicated [] to giving us all kinds of services and special attention to our needs to incur our good will, and if possible to get back into the family of clearances which would permit them to understand what was happening. I also pointed out that [] watching the advertisements in the [] papers and seeing the kinds of personnel that were being hired by [] was getting into not only an A&E contract but internal system's concept for []

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He was concerned over this and hoped that our good will and their good services over the years had not gone unnoticed and was hoping that there might be some way for him to work with [] if indeed this were the developmental line that was going on [] Kiefer said that Mr. Bissell would have no reservations on getting [] into the play particularly through [] and that they

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at H Street would be willing to set up a personal services contract with [] restoring some of his clearances and permitting him to bring the background of [] experiences to bear on the problems which [] and we are facing at the present time. However, before doing this I would seek to talk about it with [] in company with our Division Chiefs, particularly [] and if it were our collective agreement that this might be a good idea. [] thought it would be very helpful to be able to get all of [] experience on this problem through [] and thereby save himself a lot of research in so doing, so we might conclude that it would be worthwhile in setting up this personnel services contract for []. From my earlier discussions with [] I feel sure that they would be glad to engage in a personal services contract at no cost to the Government for [] because they are so urgently desirous of getting back into the play. We will now take this on as a matter of discussion inside of NPIC to see whether the pluses outweigh the minuses. It is now suggested that [] and I sit down to review this first amongst ourselves to form a position on it and if it looks affirmative then to engage [] in his next trip on the subject, and if it falls apart at that point we shall not have lost any face with [] because he has no assurances that anything like this may even be contemplated.

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ARTHUR C. LUNDAHL

Director

National Photographic Interpretation Center

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